#9

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)

Attorney Docket Number	33758/PBH/B600
Application Number	09/438,689
Filing Date	November 12, 1999
Applicant(s)	Christopher M. Ward, et al.
Group Art Unit	2817
Examiner Name	To be assigned

U.S. PATENT DOCUMENTS						
EXAMINER INITIALS	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
₽	4,141,209	2/1979	Barnett et al.	58	23	
al	4,353,039	10/1982	Huntley	331	113	
0	5,031,233	7/1991	Regan	455	307	
6	5,630,214	5/1997	Yamamoto et al.	455	190.1	
	5,715,012	2/1998	Patel et al.	348	555	í
0	5,737,035	4/1998	Rotzoll	348	725	RECEIVE
1	5,757,220	5/1998	Murden et al.	327	308	JUIZEIVE
					TA	27 200;

					16	Chn	
	FOREIGN PATENT DOCUMENTS						
EXAMINER	DOCUMENT	PUBLICATION	COUNTRY OR			TRANS	LATION
INITIALS	NUMBER	DATE	PATENT OFFICE	CLASS	SUBÇLASS	YES	NO
	EP 0 133 618 A1	3/1985	EPO				
	EP 0 629 040 A1	12/1994	EPO				
~	EP 0 767 532 A1	10/1996	EPO	œ			
~	UK 2 058 505 A	4/1981	United Kingdom				

	OTHER DOCUMENTS					
EXAMINER INITIALS	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
7	Poole, S., Surace, G., Singh, B., Dyer, N., "A CMOS Subscriber Line Audio Processing Circuit Including Adaptive Balance," IEEE International Symposium on Circuits and Systems, Finland, Espoo, Volume 2 of 3, June 7-9, 1988, pp. 1931-1934					

EXAMINER SIGNATURE	MIS	DATE CONSIDERED	3 hobs

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

PBH/ajh

AJH PAS329313.1-*-2/23/01 8:11 AM



¥	7
α	

FORM PTO-1449	Attorney Docket Number	33758/RJP/B600
	Application Number /	09/438,689
INFORMATION DISCLOSURE	Filing Date 3 MAY 1 2 2	November 12, 1999
STATEMENT BY APPLICANT	Applicant(s)	Christopher M. Ward et al.
	Group Art Uni	2817
(use as many sheets as necessary)	Examiner Name	To be assigned

	U.S. PATENT DOCUMENTS					
EXAMINER INITIALS	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
\$	5,737,035	4/1998	Rotzoll	348	725	
			•			
			+		0	
					280	존 곱
					Ö	Y CH
					TVI.	0 1
					2	

	FOREIGN PATENT DOCUMENTS							
						TRANS	LATION	
EXAMINER INITIALS	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	YES	NO	
						HEC	EIVE	
						JUL S	6 200	

	OTHER DOCUMENTS	Technology Center 260
EXAMINER INITIALS	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (be symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or	

EXAMINER SIGNATURE	DATE CONSIDERED 3/20/3				
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

OIPE I

#8



FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Attorney Docket Number	33758/RJP/B600
Application Number	09/438,689
Filing Date	November 12, 1999
Applicant(s)	Christopher M. Ward et al.
Group Art Unit	2817
Examiner Name	To be assigned

U.S. PATENT DOCUMENTS								
EXAMINER INITIALS	DOCUMENT ISSUE NUMBER DATE		PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
9	4,789,976	12/1988	Fujishima	369	54			
9	4,818,903	4/1989	Kawano	307	521			
-8	5,031,233	7/1991	Ragan	455	307	REC		
	5,828,589	10/1998	Degenhardt	364	724.19	RECEIVE		
						00/ 2 2		
					/ec	hnology Center or		
		_				Center o		

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIALS	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANS	SLATION
Z.	DE 19506324 C1	10/1995	Germany (English family patent, U.S. 5,828,589 above)			ama	
0	DE 3723778 A1	1/1988	Germany (English family patent, U.S. 4,818,903 above)	•			
Z	EP 0393717 A2	10/1990	European Patent Office				

	OTHER DOCUMENTS
EXAMINER INITIALS	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	Poole et al., "A CMOS Subscriber Line Audio Processing Circuit Including Adaptive Balance," IEEE Proceedings of the International Symposium on Circuits and Systems, US, New York, Vol. Conf. 21, 1988, pp. 1931-1934.

EXAMINER SIGNATURE	11	DATE CONSIDERED	Broks				
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

#6

	/ 0
FORM PTO-1449	JAN 0 9 2001
. INFORMATIO	PA SI
	NO ISCLOSPRE
STATEMENT	BY APPLICANT

Attorney Docket Number 33758/RJP/B600

Application Number 09/438,689

Filing Date November 12, 1999

Applicant(s) Christopher M. Ward et al.

Group Art Unit 2817

(use as many sheets as necessary)

Examiner Name

To be assigned

		Technology Center				
EXAMINER INITIALS	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
~	5,006,727	4/1991	Rogosch et al.	307	264	
3	5,587,688	12/1996	Mulbrook	330	253	
					1	

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIALS	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANS	LATION NO	
8	EP 0 365 085	4/1990	EPO (English family patent, U.S. 5,006,727 above)					
6	WO 97/32393	9/1997	PCT			,		
	· · · · · · · · · · · · · · · · · · ·							

OTHER DOCUMENTS							
EXAMINER INITIALS	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.						

EXAMINER SIGNATURE	MUS	DATE CONSIDERED	8	no	13	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

PBH/swc

SWC PAS295056.1-*-1/4/01 3:20 PM

PE VC	72
MAY 1 4 2002	
27	



	. 0	MAY 1 4	2002 E			#14				Dogo 1 of 1
		illi .				ATTY. DOCKET NO.			ATION NO.	Page 1 of 1
		FORM' PTO	1449			1875.095000C APPLICANTS		09/438	,009	
	Fi INFORMATI	fth Supp ON DISCL	lemental OSURE STATE	EMENT		Ward et al.				
	•					FILING DATE November 12, 1999		GROUP 2817		
				·	J.S. PA	TENT DOCUMENTS				·
EXAMINER		DOCUME	MT MIMBED					CI ACC	SUB-CLASS	ELLING DATE
INITIAL	AA1	3,824,	NT NUMBER	DATE 07/1974		AME onald L. Treadway		CLASS 331	109	FILING DATE 01/19/73
	AB1	15/521/			<u> </u>	<u> </u>		-	1.07	0., . , , , ,
	AC1		:							
	AD1					<u>.</u>				
	AE1									
	AF1	ļ						<u>REC</u>	EIVED	
	AG1							MAY	L	
· ·-·	AH1			ļ <u>-</u>			9		2 2002	
	AI1	-	··-·				18	<u>Chnology</u>	Center 260	
	AJ1			.					260 Z60	0
<u> </u>	AK1	ــــــــــــــــــــــــــــــــــــــ		L					<u> </u>	
EXAMINER	· [1		1	REIGN	PATENT DOCUMENTS	· · ·		T .	
INITIAL		DOCUME	NT NUMBER	DATE	C	DUNTRY		CLASS	SUB-CLASS	TRANSLATION
										Yes
	AL1	+	•						 	No.
	AM1				ŀ					Yes No
										Yes
	AN1	-								No
	AO1									Yes No
	AP1									Yes No
	•	<u>'</u>	OTHER (Including Auti	hor, T	itle, Date, Pertine	nt Pages, etc	:.)	<u>*</u>	
	AR	1								
			· · · · ·		•					
	AS	1								
		-								
	AT	1								
		.								
EXAMINER	P/ v 1	(DA	TE CONSIDE	RED 42	ola
EXAMINER: II	 / / / 		o consider	ad uhathan a	n n-+	citation is in conf	anmanas viiti	MDED 400		abassab
citation if	not in cor	formance	and not c	onsidered. I	nclude	copy of this form	with next co	municatio	ine נותe n to Applica	ant.
				– – – – – – – – – – – – – – – – – –						

SKGF_DC1:13270.1

SKGF_DC1:13270.1

SKGF_DC1:13270.1

DEC 1 9 2000

#4

FORM PTO-1449	Astorney Docket Number	33758/RJP/B600
	Application Number	09/438,689
INFORMATION DISCLOSURE	Filing Date	November 12, 1999
STATEMENT BY APPLICANT	Applicant(s)	Christopher M. Ward, et al.
	Group Art Unit	2817
(use as many sheets as necessary)	Examiner Name	To be assigned

U.S. PATENT DOCUMENTS						
EXAMINER INITIALS	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
8~	4,903,329	2/1990	Marik et al.	455	182	
<i>></i>	5,428,829	6/1995	Osburn et al.	455	197.1	
	·					MECENT
						JHOEIVE
	<u> </u>				Ter	2 5 200
						thnology Center 26

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIALS	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANS	LATION NO
\$\^	WO 97/09786	3/1997	WIPO				
Q	EP 0 431 887	6/1991	EPO				
					, }		

OTHER DOCUMENTS					
EXAMINER INITIALS	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
	·				

EXAMINER SIGNATURE	Ms	DATE CONSIDERED	3	120	6	
		-	,			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

PBH/swc

SWC PAS291315.1-*-12/13/00 9:58 AM